

FORM PTO-1449 U.S. Department of
Commerce Patent and Trademark Office

ATTY. DOCKET NO.

500.39520CX2

SERIAL NO.

10/828,299

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

APPLICANT

T. KAMANO, et al

FILING DATE

April 21, 2004

GROUP

2187

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | | | | | | | | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|-----------------|---|---|---|---|---|---|--|-------|-------------------|-------|----------|-------------------------------|
| RUB | 6 | 7 | 4 | 2 | 0 | 3 | 4 | | 5/04 | Schubert et al | | | |
| RUB | 6 | 4 | 3 | 8 | 6 | 4 | 8 | | 8/02 | McKean et al | | | |
| RUB | 5 | 1 | 6 | 3 | 0 | 9 | 6 | | 11/92 | Clark et al | | | |
| RUB | 5 | 1 | 2 | 4 | 9 | 8 | 7 | | 6/92 | Milligan et al | | | |
| RUB | 5 | 0 | 7 | 7 | 7 | 3 | 6 | | 12/91 | Dunphy, Jr. et al | | | |
| RUB | 4 | 9 | 8 | 9 | 2 | 0 | 5 | | 1/91 | Dunphy, Jr. et al | | | |
| RUB | 4 | 9 | 1 | 4 | 6 | 5 | 6 | | 4/90 | Dunphy, Jr. et al | | | |
| RUB | 6 | 4 | 8 | 4 | 2 | 4 | 5 | | 11/02 | Sanada et al | | | |
| RUB | 6 | 6 | 0 | 6 | 6 | 9 | 5 | | | Kamano et al | | | |
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| | | | | | | | | | | | | YES | NO |
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER *Raymond D. Brugh*
for Ngoc Binh

DATE CONSIDERED *4/28/2006*

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])

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|---------------------|-----------------|-------|----------------|-------|----------|-------------------------------|
| RUB | 4 1 4 4 5 8 3 | | Lawson | | | |
| RUB | 5 2 1 0 8 4 4 | 5/93 | Shimura et al | | | |
| RUB | 5 2 3 7 6 6 8 | 8/93 | Blandy et al | | | |
| RUB | 5 2 3 9 6 3 2 | 8/93 | Larner | | | |
| RUB | 5 2 7 4 7 8 3 | 12/93 | House et al | | | |
| RUB | 5 2 8 2 2 4 7 | 1/94 | McLean et al | | | |
| RUB | 5 2 9 7 2 6 8 | 3/94 | Lee et al | | | |
| RUB | 5 4 6 9 5 6 4 | 11/95 | Junya | | | |
| RUB | 5 5 2 8 5 8 4 | 6/96 | Grant et al | | | |
| RUB | 5 5 3 3 1 2 5 | 7/96 | Bensimon et al | | | |
| RUB | 5 5 4 8 7 8 3 | 8/96 | Jones et al | | | |

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|-----------------|-----------------|---------|----------|----------|----------|
| | | | | | YES NO |
| RUB | 0 7 0 9 9 8 8 | 5/96 | European | | |
| RUB | 6 3 2 5 3 4 4 8 | 10/98 | Japan | | XX |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | |
|-----|--|
| RUB | Smith et al "Tachyon: a gigabit Fibre Channel Protocol Chip", Hewlett-Packard Journal, vol. 47, No. 5, Oct. 1996, pp. 94-98, internet copy. |
| RUB | Gibson et al, "A Case for Network-Attached Secure Disks", Document CMU-CS-96-142, School of Computer Science, Carnegie Mellon University, Sep. 26, 1996, pp. 1-19. |
| RUB | Gibson et al "File Server Scaling with Network-Attached Secure Disks" Proceedings of the 1997 ACM Sigmetrics International Conference on Measurement & Modeling of Computer Systems, Jun. 1997, pp. 272-284. |

EXAMINER

Reynold B. Brayton
for Ngan Dinh

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| RUB | | 5 | 6 | 1 | 0 | 7 | 4 | 5 | 3/97 | Bennett | | | |
| RUB | | 5 | 6 | 1 | 0 | 7 | 4 | 6 | 3/97 | Ranalli | | | |
| RUB | | 5 | 6 | 1 | 7 | 4 | 2 | 5 | 4/97 | Anderson | | | |
| RUB | | 5 | 6 | 2 | 3 | 6 | 3 | 7 | 4/97 | Jones et al | | | |
| RUB | | 5 | 6 | 3 | 4 | 1 | 1 | 1 | 5/97 | Oeda et al | | | |
| RUB | | 5 | 6 | 4 | 4 | 7 | 8 | 9 | 7/97 | Matthews et al | | | |
| RUB | | 5 | 6 | 5 | 1 | 1 | 3 | 9 | 7/97 | Cripe et al | | | |
| RUB | | 5 | 6 | 5 | 7 | 4 | 4 | 5 | 8/97 | Pearce | | | |
| RUB | | 5 | 6 | 6 | 3 | 7 | 2 | 4 | 9/97 | Westby | | | |
| RUB | | 5 | 7 | 4 | 8 | 9 | 2 | 4 | 5/98 | Llorens et al | | | |
| RUB | | 5 | 7 | 6 | 8 | 5 | 3 | 0 | 6/98 | Sandorfi | | | |

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| | | | | | | | | | | | | | YES | NO |
| RUB | | 8 | 2 | 5 | 1 | 1 | 0 | 1 | 9/96 | Japan | | | XX | |
| RUB | | 8 | 1 | 1 | 5 | 2 | 7 | 9 | 5/96 | Japan | | | XX | |

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| RUB | Van Meter III, "A Brief Survey of Current Work on Network Attached Peripherals", ACM SIGOPS, Operating Systems Review, v. 30, n. 1, Jan. 1996, pp. 63-70, Internet copy. |
| RUB | "Fibre Channel Physical and Signaling Interface (FC-PH)" Rev. 4.3 Jun. 1, 1994. |

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| EXAMINER <i>Reynold D. Bragdon</i> <i>for Ngan Duh</i> | DATE CONSIDERED <i>4/28/06</i> |
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|---------------------|-----------------|-------|----------------|-------|----------|-------------------------------|
| RUB | 5 7 6 8 6 2 3 | 6/98 | Judd et al | | | |
| RUB | 5 8 0 5 8 0 0 | 9/98 | Kotani et al | | | |
| RUB | 5 8 0 5 9 2 0 | 9/98 | Sprenkle et al | | | |
| RUB | 5 8 0 9 2 7 9 | 9/98 | Oeda et al | | | |
| RUB | 5 8 0 9 3 2 8 | 9/98 | Nogales et al | | | |
| RUB | 5 8 1 2 7 5 4 | 9/98 | Lui et al | | | |
| RUB | 5 8 3 5 4 9 6 | 11/98 | Yeung et al | | | |
| RUB | 5 8 4 8 2 5 1 | 12/98 | Lomelino et al | | | |
| RUB | 5 8 7 2 8 2 2 | 2/99 | Bennett | | | |
| RUB | 5 8 9 4 4 8 1 | 4/99 | Book | | | |
| RUB | 5 9 1 3 2 2 7 | 6/99 | Raz et al | | | |

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|-----|--|-----------------|----|---|---|---|---|---|-------|---------|-------|----------|----------|--|
| | | YES | NO | | | | | | | | | | | |
| RUB | | 6 | 2 | 1 | 4 | 8 | 6 | 3 | 8/94 | Japan | | | XX | |
| RUB | | 6 | 0 | 9 | 5 | 3 | 5 | 9 | 4/94 | Japan | | | XX | |
| RUB | | 5 | 3 | 2 | 4 | 4 | 4 | 5 | 12/93 | Japan | | | XX | |
| RUB | | 5 | 1 | 8 | 1 | 6 | 0 | 9 | 7/93 | Japan | | | XX | |
| RUB | | 3 | 1 | 5 | 2 | 6 | 5 | 0 | 6/91 | Japan | | | XX | |
| RUB | | 3 | 1 | 0 | 5 | 4 | 1 | 9 | 5/91 | Japan | | | XX | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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| EXAMINER | Reynold S. Bragich for Name Search | DATE CONSIDERED | 4/28/2006 |
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| RUB | | 5 | 9 | 4 | 1 | 9 | 6 | 9 | 8/99 | Ram et al | | | |
| RUB | | 5 | 9 | 4 | 1 | 9 | 7 | 2 | 8/99 | Hoese et al | | | |
| RUB | | 6 | 0 | 4 | 1 | 3 | 8 | 1 | 3/00 | Hoese | | | |
| RUB | | 6 | 0 | 6 | 1 | 7 | 5 | 3 | 5/00 | Ericson | | | |
| RUB | | 6 | 1 | 0 | 5 | 0 | 9 | 2 | 8/00 | Oeda et al | | | |
| RUB | | 6 | 1 | 1 | 8 | 7 | 7 | 6 | 9/00 | Berman | | | |
| RUB | | 6 | 1 | 8 | 5 | 2 | 0 | 3 | 2/01 | Berman | | | |
| RUB | | 6 | 2 | 1 | 9 | 7 | 7 | 1 | 4/01 | Kikuchi et al | | | |
| RUB | | 6 | 4 | 9 | 9 | 0 | 7 | 5 | 12/02 | Oeda et al | | | |
| RUB | | 6 | 4 | 2 | 5 | 0 | 3 | 6 | | Hoese | | | |
| RUB | | 6 | 4 | 2 | 1 | 7 | 5 | 3 | | Hoese | | | |

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| RUB | | 1 | 1 | 8 | 1 | 1 | 3 | 9 | 7/89 | Japan | | | XX | |
| RUB | | 5 | 2 | 2 | 5 | 0 | 6 | 8 | 9/93 | Japan | | | XX | |
| RUB | 1 | 0 | 3 | 3 | 3 | 8 | 3 | 9 | 12/98 | Japan | | | | |

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|---------------------|-----------------|------|-----------------|-------|----------|-------------------------------|
| RUB | 6 4 2 5 0 3 5 | | Hoese | | | |
| RUB | 6 4 9 3 3 4 7 | | Sindhu et al | | | |
| RUB | 6 5 7 4 6 6 7 | | Blumenau | | | |
| RUB | 6 1 9 5 7 0 3 | | Blumenau | | | |
| RUB | 6 0 6 1 7 5 0 | | Beardsley et al | | | |
| RUB | 6 0 0 6 3 4 2 | | Beardsley et al | | | |
| RUB | 6 5 9 1 3 5 6 | 7/03 | McMurdie et al | 711 | 206 | |
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| | | | | | YES NO |
| RUB 5 1 2 8 0 3 0 | 5/93 | Japan | | | |
| RUB 0 8 8 1 5 6 0 | 12/98 | European | | | |
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|---------------------|-----------------|-------|----------------|-------|----------|-------------------------------|
| RGB | 6 5 9 8 1 7 4 | 7/03 | Parks et al | | | |
| RGB | 6 4 8 4 2 2 9 | 11/02 | Ichikawa et al | | | |
| RGB | 6 6 8 4 2 0 9 | 1/04 | Ito et al | | | |
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